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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electro stimulation system for providing signals to skin tissue

of a subject including:

at least one electrical current control circuit adapted for connection to at least one

electrical power supply such that electrical current supplied to the skin tissue of the subject is

controlled;

at least three connection probes adapted for temporary external electrical connection to

the skin of the subject;

at least one a first switching device for intermittently connecting an output of the at least

one electrical current control circuit to one or more of the connection probes thereby causing said

one or more connection probes to become active probes;

at least one a second switching device for intermittently connecting one or more of the

other connection probes to at least one electrical current return path thereby causing said one or

more other connection probes to become return probes; and

at least one switching control device connected to the first and second switching devices;

wherein the at least one switching control device is activated during a treatment to cause

a repeatedly varying formation of probes as active probes or return probes causing the

establishment of electrical currents passing through different paths through the skin tissue of the

subject with an electrical current being established between at least one connection probe and

more than one other connection probe simultaneously during a treatment.

2. (Canceled).

3. (Previously Presented) The electro stimulation system according to claim 1 wherein

said electrical current control circuit is a multiplexing control device and the first and second

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switching devices are multiplexing devices each connected to the electrical current control

circuit.

4. (Withdrawn) A method of providing electro simulation to a subject wherein at least

three spatially arranged electro stimulation probes are electrically connected at one end to the

subject, the spatial arrangement of the probes causing any electrical current flowing between the

probes to flow through different paths through the subject, the probes being electrically

switchable to connect another end of each respective probe to at least either an electrical power

supply for the supply of controlled electrical current or a current return path, the method

including, the steps of:

(a) selecting one or more of the probes for connection to at least one electrical power

supply thereby causing said one or more probes to become active probes;

(b) selecting one or more of the probes for connection to an at least one electrical current

return path thereby causing said one or more probes to become return path probes;

(c) selecting none or a number of probes to remain disconnected from the at least one

electrical power supply and the at least one electrical current return path;

(d) connecting said one or more active probes to the at least one electrical power supply

and said one or more return path probes to the at least one electrical current return path thus

causing an electrical current to flow between said active and return probes;

(e) altering the selection of active and return probes and switching the probe connections

to accord with the altered selection; and

(f) repeating steps (d) and (e) until completion of the electro stimulation treatment during

which probe selections occur that cause electrical currents to flow through different paths

through the subject.

5. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 4 wherein the selection of active and return probes is varied during a single session of

electro stimulation.

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6. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 4 wherein only a single probe is selected as an active probe at any one time whilst all other

probes are selected as return path probes.

7. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 4 wherein only a single probe is selected as a return path probe whilst all other probes are

selected as active probes.

8. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 4 wherein one or more probes are selected as active probes, one or more probes are

selected as return path probes and no probes remain disconnected.

9. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 4 wherein the selection and connection of active and return path probes in method steps (d)

and (e) are chosen such that during any period of substantially zero current flow in one area,

current flow is established in another area of the subject.

10. (Withdrawn) The method of providing electro stimulation to a subject according to

any one of claims 4 to 9 wherein the method is effected with an apparatus consisting of only one

electrical power supply that is used for the purpose of providing electro stimulation signals to the

subject.

11. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 4 wherein the step of attaching the at least three electro stimulation probes in electrical

connection with the subject is effected by the inclusion of a predetermined probe arrangement for

a particular part of the subject in a piece of material that is placed over the area requiring electro

stimulation such that the probes are placed in connection with the subject at the approximate

required probe locations.

12. (Withdrawn) The method of providing electro stimulation to a subject according to

claim 11 wherein the piece of material including a predetermined probe arrangement is shaped

substantially to conform with the shape of the subject's face.

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13. (Withdrawn) A controlled electrical signal for supplying electrical currents to a subject, said electrical current flowing through an area of the subject by connection of same with at least three connection probes with each probe operable as an active, return path or disconnected probe wherein,

an electrical power supply is connected to the at least one connection probe thus forming an active probe;

at least one connection probe is connected to an electrical current return path thus forming a current return path probe;

none or more probes remain disconnected from the electrical power supply and the current return path;

a first electrical resistance is connected in parallel with active and return path probes; and the junction between the return path probe and the first resistance is connected to a ground reference through a controllable variable conductance network including a conductance path formed by a collector-emitter path through a transistor in series connection with a second electrical resistance such that the voltage at the junction of the emitter and the second resistance varies proportionally with the electrical current flowing through the area of the subject between the active and return path probes.

14. (Withdrawn) The controlled electrical signal supply according to claim 13 wherein the first electrical resistance is selected such that it is significantly greater than the expected electrical resistance between an active and return path probe in the area of the subject.

15. (Canceled).

- 16. (Withdrawn) The controlled electrical signal supply according to claim 13 wherein the junction between the emitter and the second electrical resistance is connected to a control signal network to enable the generation of a control signal for the base input of the transistor.
- 17. (Withdrawn) The controlled electrical signal supply according to claim 16 wherein the control signal network includes an operational amplifier receiving just one input from the conductance network connected to the junction of the emitter and the second resistance and a second input from an analogue signal source.

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18. (Withdrawn) The controlled electrical signal supply according to claim 17 wherein the operational amplifier is configured as a differential amplifier with the input from the digital to analogue converter connected to the non-inverting input and the output from the conductance network thus providing a voltage proportional to the electrical current flowing through the area

19. (Withdrawn) The controlled electrical signal supply according to claim 18 wherein

under treatment connected to the inverting input of the differential amplifier.

the output voltage of the digital to analogue converter is controlled by a digital output of a

microprocessor programmed to provide a varying digital to analogue converter output voltage

thus causing a similarly varying electrical current flow through the area of the subject.

20. (Canceled).

21. (Previously Presented) The electro stimulation system according to claim 1, further

comprising a single unit, wherein the first switching device and the second switching device are

comprised within said single unit.

22. (Withdrawn) The controlled electrical signal supply according to claim 17, wherein

the analogue signal source comprises a digital to analogue converter.

23-25. (Cancelled).

26. (New) The electro stimulation system according to claim 1 wherein the connection

probes are located in a pre-determined spatial relationship relative to each other for connection to

the skin tissue of a subject.

27. (New) The electro stimulation system according to claim 26 wherein the connection

probes are located in spatial relationship to each other by attachment of the probes to a mask that

is appropriately dimensioned to align the connection probes in a preferred spatial distribution

across any region, or part thereof, of the skin surface of the subject.

28. (New) The electro stimulation system according to claim 27 wherein the mask is a

facial mask and the pre-determined location of the probes is a preferred arrangement for

connecting probes to the facial region, or part thereof, of a subject.

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29. (New) The electro stimulation system according to claim 27 wherein the mask is a

body mask and the pre-determined location of the probes is a preferred arrangement for

connecting probes to a region of the body, or part thereof, of a subject.

30. (New) An electro stimulation system for providing signals to the skin tissue of a

subject including:

at least one electrical current control circuit adapted for connection to at least one

electrical power supply such that electrical current supplied to the skin tissue of the subject is

controlled;

at least three connection probes adapted for temporary external electrical connection to

the skin of the subject;

at least one first switching device for intermittently connecting an output of the at least

one electrical current control circuit to one or more of the connection probes thereby causing said

one or more connection probes to become active probes;

at least one second switching device for intermittently connecting one or more of the

other connection probes to at least one electrical current return path thereby causing said one or

more other connection probes to become return probes; and

at least one switching control device connected to the first and second switching devices;

wherein the at least one switching control device is activated during a treatment to cause

formation of probes as active probes or return probes causing the establishment of electrical

currents passing through different paths through the skin tissue of a subject.